100 Obrice 20:505

GenCore ve Copyright (c) 1993 version 4.5
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OM protein - protein search, using sw model

Run on: June 26, 2001, 16:30:29; Search time 57.86 Seconds (without alignments)

209.554 Million cell updates/sec

US-09-484-629A-2

Perfect score:

sequence: MLRALNRLAARPGGOPPTIL... ....LDSPKSYNWAVTKEGQVVRN 200

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 412676 seqs, 60623988 residues

Total number of hits satisfying chosen parameters: 412676

Minimum DB seq length: 0 Maximum DB seq length: 20 length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database A\_Geneseq\_0601:\* 1: /SIDS8/qcqdata

10: 11: 13: 13: 14: 14: 16: 17: 17: 18: 19: 20: /SIDSB/gcgdata/geneseq/geneseqp/AA1980.DAT:\*
/SIDSB/gcgdata/geneseq/geneseqp/AA1981.DAT:\*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

110987654321	Result No.
1004 904 687 135 126 125 125 125 125 125 125	Score
100.0 688.4 13.4 12.5 12.5 12.5 12.5 12.5	Query Match Length DB
200 200 205 41 41 1299 176 176 176 176 195	Length
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## ALIGNMENTS

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AAY69370 standard; Protein; 200

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AAY69370;

19-JUN-2000 (first entry)

A 5'-OT EST (oxytoxin expressed sequence tag) protein.

Oxytoxin expressed sequence tag; 5'-OT EST; obesity; fertility; male; transgenic animal, human late onset obesity; late onset visceral obesity; male infertility; wasting; anorexia; cachexia; malabsorptive state; catabolic state; inflammatory condition; Crohn's disease; AIDS wasting; burn; cancer; bone disease.

Rattus sp.

WO200009686-A1.

24-FEB-2000.

12-AUG-1999; 99WO-GB02658

12-AUG-1998; 06-MAY-1999; 98GB-0017566. 99GB-0010522.

(MEDI-) MEDICAL RES COUNCIL.

Robinson ICAF, Stoye JP, Flavell D, Wells SE, Le Tissier P;

WPI; 2000-224331/19.

X R R R X P N-PSDB; AAZ61510

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RESULT
AAY69372
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Robinson ICAF,
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                                              (MEDI-) MEDICAL RES COUNCIL.
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                                                                                                                                                                                                                                                                                                                                                   cancer;
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                                                                                                                                                                                                                                                                                                                                                   bone disease.
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99GB-0010522.
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Stoye JP, Flavell D,
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Pred. No. 1.5e-87;
Nismatches 0;
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12-AUG-1998; 06-MAY-1999;

98GB-0017566 99GB-0010522 99WO-GB02658

12-AUG-1999;

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RESULT
AAY69371
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DB; AAZ61512.
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Pred. No. 4.5e-78;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LDSPKSYNWAVTKEGQVVR 199
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                                                                                                                                                                                                                                                                                                                                                                                                                                   ldsrknynwaitreglvvr 199
                                                                                                                     cancer; bone disease.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          animals. The transgenic animals created serve as a model for human language of obesity and other related disorders and are also used for identifying the genetic cause of obesity. Compounds which modulate 5 'OT EST expression or activity are useful in the treatment or modulation of late onset visceral obesity or male infertility particularly in the disorders related to these conditions such as particularly in a concexia associated with prolonged illness, wasting, or anorexia, or cachexia associated with prolonged illness or malabsorptive states or catabolic states associated with other diseases such as inflammatory conditions, Crohn's disease or AIDS wasting, or burns, or cancer, or bone disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present sequence represents a rat 5'OT-EST (oxytoxin expressed sequence tag) mutant polypeptide (designated 5'-OT-EST-xdel), where exons x, y and z are deleted and exon w is partially deleted. The 5'-OT-EST gene is involved in the control of obesity and fertility in males. 5'-OT-EST nucleic acids are useful for producing transgenic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12-AUG-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; Page 124; 162pp; English.
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                                                                                                                                                                                                    Oxytoxin expressed sequence tag; 5'-OT EST; obesity; fertility; male; transgenic animal; human late onset obesity; late onset visceral obesity; male infertility; wasting; anorexia; cachexia; malabsorptive state; catabolic state; inflammatory condition; Crohn's disease; AIDS wasting; catabolic state; inflammatory condition; Crohn's disease;
                                                                                                                                                                                                                                                                                      Fragment of a mutant 5'-OT EST (oxytoxin expressed sequence tag).
                                                                                                                                                                                                                                                                                                                        19-JUN-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                       AAY69375 standard; Peptide; 41 AA
               12-AUG-1998;
06-MAY-1999;
                                                                                                                                                           Unidentified.
                                                                                                                                                                                          burn; cancer;
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                                                                                             24-FEB-2000
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27; Conserv
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99GB-0010522.
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                                                                                                                                                                                             bone disease.
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                    99GB-0010522
                                  98GB-0017566
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Pred. No. 4.3e-06;
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Best Local
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cell proliferation; antiproliferative; inflammation;
antiinflammatory; therapy; diagnosis.
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Pred. No. 4.3e-06;
1; Mismatches 2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Modified-site
            AAG07955 standard; Protein; 176 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   New human polypeptides that regulate gene expression, for treatment, prevention and diagnosis of, e.g. cancer - \,
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                                                                                             TRENLEARIEEALDSPKSYNWAVTKEGQVVR 199
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agment SEQ ID NO: 60821.  transduction pathway; metabolic pping; gene expression control;	pping; gene expression control; promoter;	gmment SEQ ID NO: 60821.  PR 18-JUN-19: PR 21-JUN-19: PR 10-JUN-19: PR 11-JUN-19: PR 11-JUN-19: PR 11-JUN-19: PR 12-JUN-19: PR 12-JUN-19: PR 22-JUN-19: PR 2	99US-0139457. 99US-0139457. 99US-0139458. 99US-0139459. 99US-0139460.	9905-0139492. 9905-0139454. 9905-0139454. 9905-0139455.	99US-0138847. 99US-0139119. 99US-0139452.	99US-0137724. 99US-0138094. 99US-0138540.	990S-0137528. 990S-0137502.	99US-0136782. 99US-0136782. 99US-0137222.	99US-0135629. 99US-0136021.	99US-0135124. 99US-0135353.	9905-0134/00.	9905-0134370.	9908-0134219.	99US-0134256. 99US-0134218.	99US-0132487. 99US-0132863.	99US-0132485. 99US-0132486.	99US-0132407. 99US-0132484.	99US-0131449. 99US-0132048.	99US-0130891.	9908-0130449.	9905-0129845.	99US-0128234.	99US-0126785.	99US-0125788. 99US-0126264.	99US-0123548.	99US-0121825.	ω			haliana.	quer	fication; assay; ger	protein		
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31-AUG-1999;
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07-SEP-1999
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                                                                                                                                                                                                             112
                                                                                                                    172 NLEARIEEAL 181
                                                                                  161 elerkiteal 170
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                                                                                                                                                                                        ENRRLQELRIARIQLEAQAQELRQAEVQAQRAQEEQAWVQLKEQEVLKLQEEAKNFITRE 171
                                                                                                                                                                                                                                                                                                                                            l Similarity
38; Conserv
                                                                                                                                                                                                                                                                                                                                          12.5%; Score 125; DB 21; Length 176; ilarity 29.2%; Pred. No. 0.00023; Conservative 31; Mismatches 51; Indels 10;
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990S-0153070

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990S-0154018

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99US-0150566.
99US-0150884.
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XX 25-FEB-2000; 2000EP-0301439.  PR 25-FEB-1999; 99US-0121825.  PR 05-MAR-1999; 99US-0123180.  PR 05-MAR-1999; 99US-0123788.  PR 25-MAR-1999; 99US-0123788.  PR 25-MAR-1999; 99US-0123788.  PR 25-MAR-1999; 99US-0123783.  PR 25-MAR-1999; 99US-0123783.  PR 26-APP-1999; 99US-0123783.  PR 27-APP-1999; 99US-0123783.  PR 28-APP-1999; 99US-0123784.  PR 28-APP-1999; 99US-0123784.  PR 28-APP-1999; 99US-0123784.  PR 28-APP-1999; 99US-0123784.  PR 18-APV-1999; 99US-0123785.  PR 18-APV-1999; 99US-0123785.  PR 18-APV-1999; 99US-012378.  PR 18-APV-19	AAG07954 ID AAG07954; XX AC AAG07954; XX DT 17-OCT-2000 (first entry) XX DE Arabidopsis thaliana protein fragment SEQ ID NO: 5302. XX VX
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Query Match
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180 elerkiteal 189
                                                               172 NLEARIEEAL 181
                                                                                                                                                                                                   56 LTERYROYRETVRALRREFTLEVR----GKLHEARAGYLAERKAQEAIREHQELMAWNRE 111
                                                                                            Similarity
                                                                                                                                                                                                                                       12.5%; ilarity 29.2%; Conservative 3
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990S-0152363.
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99US-0159637.
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                                                                                                                                                                                                                                       Score 125; DB 21; Length 195;
Pred. No. 0.00026;
1; Mismatches 51; Indels 10;
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 RESULT 11
AAG48182
ID AAG481
XX AAG481
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XX Prote XW Prote XX Pro
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05-MAR-1999

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23-MAR-1999

25-MAR-1999

25-MAR-1999

01-APR-1999

06-APR-1999

08-APR-1999
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05-MAY-1999;
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30-APR-1999
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180 elerkiteal 189
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                                                                                                                                                                                                    th 12.5%;
Similarity 29.2%;
38; Conservative
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Pred. No. 0.00026;
1; Mismatches 51;
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RESULT 12
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KW hybrid
KW termin
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PR 25-MAI
PR 25-MAI
PR 16-AP
PR 11-AP
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05-MAR 1999
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hybridisation assay; genetic mapping; gene expression control; promoter;
termination sequence.
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hybridisation assay; genetic mapping; gene expression control; promoter;
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29.2%; Pred. No. 0.00039;
tive 31; Mismatches 51;
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05-MAR-1999

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23-MAR-1999

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06-APR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Protein identification; signal transduction pathway; metabolic pathway; hybridisation assay; genetic mapping; gene expression control; promoter; termination sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAG48181 standard; Protein; 280 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Arabidopsis thaliana protein fragment SEQ ID NO: 60819.
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99US-0128714
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22 SEP 1999 23 SEP 1999 24 SEP 1999 26 SEP 1999 26 SEP 1999 06 OCT 1999 07 OCT 1999 07 OCT 1999 08 OCT 1999 13 OCT 1999 14 OCT 1999 15 OCT 1999 16 OCT 1999 21 OCT 1999 22 OCT 1999 23 OCT 1999 25 OCT 1999 26 OCT 1999 26 OCT 1999 28 OCT 1999

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